



ईस्टर्न कोलफील्ड्स लिमिटेड

राजमहल खनि समूह

महाप्रबंधक (प्रभारी) का कार्यालय

धनकुंडा, पोस्ट- बड़ा सिमरा, जिला- गोड्डा, झारखण्ड - 814165

पत्रांक- ईसीएल/राजमहल/मप्र(प्र.)/पर्यावरण/ 21

दिनांक - 25.05.2024

सेवा में,

संयुक्त निदेशक / The Joint Director(s),

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest & Climate Change,

Integrated Regional Office

2nd Floor, Headquarter- Jharkhand State Housing Board, Harmu Chowk,

Ranchi, Jharkhand -834002


**विषय - चुपरभीटा परियोजना (4.00 MTY) से संबंधित छमाही अनुपालन प्रतिवेदन
(अवधि - अक्टूबर 2023 से मार्च 2024)**

महोदय,

Please find enclosed herewith, the Six-monthly E.C Compliance Report of Chuperbhita Open Cast Project (4.00 MTPA), ECL for the period October 2023 to March 2024.

संलग्नक - यथोपरि।

भवदीय,


25/5/2024

महाप्रबंधक(खनन)/क्षेत्रीय प्रबंधक (पर्या.)

राजमहल क्षेत्र, ईसीएल

प्रतिलिपि -

1. सदस्य सचिव, झारखण्ड राज्य प्रदूषण नियंत्रण बोर्ड, एच.ई.सी, धुर्वा, राँची- 834004 - आवश्यक दस्तावेजों के साथ सादर सूचनार्थ।
2. क्षेत्रीय पदाधिकारी, झारखण्ड राज्य प्रदूषण नियंत्रण बोर्ड, दुमका - 814110 - आवश्यक दस्तावेजों के साथ सादर सूचनार्थ।
3. महाप्रबंधक (पर्यावरण), ईसीएल, बराचक हाउस, आसनसोल - आवश्यक दस्तावेजों के साथ सादर सूचनार्थ।
4. क्षेत्रीय महाप्रबंधक, राजमहल खनि समूह, ईसीएल - सादर सूचनार्थ।
5. अभिकर्ता, चुपरभीटा परियोजना - सादर सूचनार्थ।

**Six-Monthly E.C Compliance Report (October 2023 – March 2024) of Chuperbhita Coal Mine
Project, ECL (4 MTPA).**

A. Specific Conditions

S.No.	Conditions	Compliance
(i)	No mining operations shall be undertaken in the 245.780 ha of forestland until clearance has been obtained under the provisions of FC Act, 1980.	It is agreed that no mining operations shall be undertaken in the 245.780 ha of forest land until clearance has been obtained under the provision of FC Act, 1980.
(ii)	Mining shall be carried out as per statuette at a safe distance from Gumani River flowing adjacent to the lease boundary.	It will be followed once mine will become operational.
(iii)	An embankment of Three (3) meter height shall be constructed between Gumani River and the quarry/working pits along the bank of the Gumani River. The slope of the embankment shall at least 2:1 towards the ML. The height of the embankment shall be at lease 5 m higher than the HFL. A 200m wide corridor shall be left undisturbed between the northern toe of the external dump and the river bank.	During operation of the mine the condition stipulated above will be followed.
(iv)	Top soil should be stacked with proper slope at earmarked site(s) and should not be kept active and should be used for reclamation and development of green belt.	It will be followed once mine will become operational.
(v)	OB should be stacked at earmarked two external OB dump sites within ML area and shall be a maximum height of 90m only and consist of benches of 30m each. The ultimate slope of the dump shall not exceed 28 degree. Monitoring and management of reclaimed dumpsite should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional office located at Bhubaneswar on yearly basis.	It will be followed once mine will become operational.
(vi)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drain should be regularly de-silted and maintained properly. Garland drains (size, gradient and length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.	It will be followed once mine will become operational.
(vii)	Dimension of retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on	It will be followed once mine will become operational.

	the rainfall data.	
(viii)	High efficiency bag filters / water sprinkling system should be provided to check fugitive emissions at the CHP, from crushing operations, conveyor system, haulage roads, transfer points, etc.	It will be followed once mine will become operational.
(ix)	The road from mine to CHP shall be metal topped. Mineral transportation by trucks which are optimally loaded and covered by tarpaulin. Green belt shall be developed on both sides of the roads.	It will be followed once mine will become operational.
(x)	Drills should be wet operated only.	It will be followed once mine will become operational.
(xi)	Controlled blasting should be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	It will be followed once mine will become operational.
(xii)	The total area that shall be brought under afforestation at the time of mine closure shall be 1150.812 ha which includes external OB dump (373 ha) and backfilled area (590 ha), along ML boundary, un-worked area and green belt which includes safety zone and undisturbed area (163.812 ha) and along roads and infrastructure and in township outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	The conditions stipulated above will be followed as post mining land use plan.
(xiii)	A progressive Mine Closure Plan shall be implemented by reclamation of quarry area of 590 ha which shall be back-filled from the 3 rd year of mining operation and afforested by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. The balance 24ha de-coaled area / void area being converted into a water reservoir. The upper benches of the void shall be gently sloped, established and reclaimed with plantation.	It will be followed once mine will become operational.
(xiv)	A plan for conservation of endangered flora and fauna shall be prepared and implemented in consultation with the concerned forest and wildlife Departments of the State Government and recognised institutions such as the BSI and ZSI. Conservation of endangered plants and propagation of in-situ conservation shall be carried out. A separate fund shall be earmarked in the project cost and records maintained of the expenditure thereof and reported yearly to the MoEF R. O., Bhubaneswar.	Plan for conservation of endangered flora and fauna as suggested will be prepared and implemented once mine will start its operational.
(xv)	Sanction of the State Govt. for drawal of 1054.57 cu.m./d of water from the Water	Yes, sanction of the State Govt. for withdrawal of 1054.57 cu.m./d of water from

	Supply Scheme of Gumani River shall be obtained before start of mining operation.	the Water Supply Scheme of Gumani River shall be obtained before the start of mining operation.
(xvi)	No groundwater shall be used for project activities. Prior approval of the CGWB/CGWA shall be obtained for use of groundwater, if required.	Prior approval will be taken from CGWB.
(xvii)	Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and constructing new Piezo meters during the mining operation. The monitoring should be carried out four times in a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment and Forests and to the Central Pollution Control Board quarterly within one month of monitoring.	It will be followed once mine will become operational.
(xviii)	The company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby village(s) in case the village wells go dry due to de-watering of mine.	It will be followed once mine will become operational.
(xix)	Sewage treatment plant should be installed in the colony. ETP should also be provided for workshop and CHP wastewater.	It will be followed once mine will become operational.
(xx)	Digital Processing of the entire lease area using remote sensing technique should be done regularly, once in 3 years for monitoring land use pattern and report submitted to MoEF and its Regional Office at Bhubaneswar.	It will be followed once mine will become operational.
(xxi)	Besides carrying out regular periodic health check up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	It will be followed once mine will become operational.
(xxii)	A Socio-economic survey shall be carried out and based on the same an effective R&R package shall be given to ensure restoration of income of project affected persons (PAP). Provision shall also be made in the R&R Plan to take care of the land less labourers.	As suggested the condition will be followed.
(xxiii)	A Final Mine Closure Plan along with details of Corpus fund should be submitted to the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval.	Final Mine closure Plan is incorporated in the EMP of Chuperbhita Opencast Project. The details, as suggested, will be submitted to the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval.

(xxiv)	Consent to Operate shall be obtained before expanding mining operations.	Applications for relevant Consents will be obtained before expanding mining operations.
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B. General Conditions:

S.No.	Conditions	Compliance
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	It is being followed.
(ii)	No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.	It is being followed.
(iii)	Four ambient air quality monitoring stations should be established in the core zone as well as the buffer zone for SPM, RPM, SO ₂ and NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	For effective air pollution monitoring, the stations will be established as per guidelines given in condition once the mine will become operational.
(iv)	Data on ambient air quality (RPM, SPM, SO ₂ , NO _x and CO) should be regularly submitted to the Ministry including its Regional Office at Bhubaneswar and to the State Pollution Control Board / Central Pollution Control Board once in six months.	It will be followed once mine will become operational.
(v)	Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads, wagon loading, and dump trucks (loading and unloading) points should be provided and properly maintained.	It will be followed once mine will become operational.
(vi)	Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc., should be provided with ear plugs / muffs.	It will be followed once mine will become operational.
(vii)	Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31 st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	It will be followed once mine will become operational.
(viii)	Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered	It will be followed once mine will become operational.

	with tarpaulins and optimally loaded.	
(ix)	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution control Board.	Environmental laboratory is established with adequate number and type of pollution monitoring and analysis equipment at Central Mine Planning and Design Institute (Region - I), Asansol. Such type of additional facilities, if required, in future will be established in consultation with the State Pollution control Board.
(x)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to coal dust and take corrective measures, if needed.	It will be followed once mine will become operational.
(xi)	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior Executive, who will report directly to the Head of the company.	Company Level :- There is a Separate Environmental Management Cell with suitable qualified personnel under the control of General Manager (Environment) of ECL, who reports directly to the Head of the organization. Project level :- A separate environmental management cell with suitable qualified personnel has been formed at Rajmahal Area.
(xii)	The funds earmarked for environmental protection measures should be kept in separate account and should not be directed for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office, Bhubaneswar.	The provisions will be made.
(xiii)	A copy of the environmental clearance letter shall be marked to the concerned Panchayat / local NGO, if any, from whom any suggestions/representation has been received while processing the proposal.	A copy of the environmental clearance letter is available on the website of Eastern Coalfields Limited. Concerned Panchayat / local NGO, if any, from whom any suggestions/representation has been received while processing the proposal can go through the EC letter online.
(xiv)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's/ Tehsildar's office for 30 days.	It has been done.
(xv)	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the	Advertisements regarding Notice of information of Environmental Clearance of Chuperbhita OCP (4 MTPA) have been made in "Hindustan" Santhal Parganas Sanskaran on 27.04.2007.

State Pollution Control Board and may also be seen at web site of the Ministry of environment and Forests at http://envfor.nic.in .	
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Date: 25-05-2024

 25/5/2024
General Manager (M)/Agent,
Chuperbhita Open Cast Project,
Rajmahal Group of Mines, ECL.

